FMH3703 Electronic Structures - Basic Theories and Computational Methods 6.0 credits

Elektronstruktur - grundläggande teorier och beräkningsmetoder

This is a translation of the Swedish, legally binding, course syllabus.

Establishment

Course syllabus for FMH3703 valid from Spring 2014

Grading scale

G

Education cycle

Third cycle

Specific prerequisites

Language of instruction

The language of instruction is specified in the course offering information in the course catalogue.

Intended learning outcomes

Course contents

Course literature

1) Kurskompendium: "Brief Introduction to the Density Functional Theory" (45 sidor)

2) Richard M. Martin, "Electronic Structure - Basic Theory and Practical Methods" (624 sidor), Cambridge Univ Press. 2004, ISBN 0-521-78285-6

Examination

Based on recommendation from KTH’s coordinator for disabilities, the examiner will decide how to adapt an examination for students with documented disability.

The examiner may apply another examination format when re-examining individual students.

If the course is discontinued, students may request to be examined during the following two academic years.

Ethical approach

- All members of a group are responsible for the group's work.
- In any assessment, every student shall honestly disclose any help received and sources used.
- In an oral assessment, every student shall be able to present and answer questions about the entire assignment and solution.